

Message Text

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TO AMEMBASSY BELGRADE

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E.O. 11652: N/A

TAGS:OEXC, YO (CEREPNALKOVSKI)

SUBJECT:EXCHANGES - 1974/75 YUGOSLAV SCHOLAR PROGRAM

1. AFTER EXHAUSTIVE SEARCH FOR APPROPRIATE AFFILIATION FOR AFFILIATION FOR CEREPNALKOVSKI, CIES REPORTS FINDING SEVERAL UNIVERSITIES WILLING OFFER VISITING SCHOLAR PRIVILEGES, BUT NONE WITH ACTIVE PROGRAMS IN HIS SPECIFIC FIELD. CLOSEST APPROXIMATION OF GOOD RESEARCH AFFILIATION IS PENNSYLVANIA STATE UNIVERSITY, WHICH OFFERS VISITING SCHOLAR PRIVILEGES IF CEREPNALKOVSKI WILLING PARTICIPATE IN ITS RESEARCH PROGRAM DESCRIBED AS FOLLOWS: "IN METAL CASTING AREA, WE ARE CURRENTLY WORKING IN AREA OF DIVIDED BLAST CUPOLA DESIGN WITH OBJECT OF DEVISING SYSTEM TO OXIDIZE THE CO TO CO2 BELOW THE CHARGED DOOR OF THE CUPOLA. WE HOPE TO HAVE LESS THAN 4PERCENT CO IN GASEOUS AFFLUENT AT EXIT OF CUPOLA STACK. WE WOULD USE CONCEPT OF MULTIBLAST INPUT TO CREATE A CONTROLLED COMBUSTION ZONE, A CONTROLLED THERMAL RESERVE ZONE AND A NEW OXIDATION ZONE JUST BEFORE THE STANDARD PREHEAT ZONE. WORK IN BRITAIN HAS SHOWN THAT A DIVIDED BLAST CUPOLA IS ADVANTAGEOUS ESPECIALLY IN A COLD BLAST CUPOLA. OUR CONCEPT IS A STEP BEYOND THE 2 INDEPENDENT BLASTS. IT WOULD USE AT LEAST 3 INDEPENDENT BLASTS. IT IS IMPORTANT TO REALIZE THAT ALTHOUGH A CUPOLA IS SIMILAR TO A BLAST FURNACE, THE ONE (CUPOLA) WE WOULD DEVELOP WOULD BE A MODEL WITH A STACK ONLY 24 INCHES IN DIAMETER AND A

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COMBUSTION ZONE WHICH IS LINED DOWN TO 16 INCHES INSIDE

DIAMETER, BUT THE CUPOLA HAS A HOT OR COLD BLAST HEAT EXCHANGER."

2. CONTINGENT UPON HIS ACCEPTANCE, CIES HAS OBLIGATED FUNDS IN THE AMOUNT OF DOLS 7300 FOR 10 MONTH PER DIEM AWARD. GRANT DOCUMENTS WILL BE HELD IN CIES' OFFICES PENDING REPLY FROM AYEC AND WILL BE GIVEN CEREPNALKOVSKI UPON ARRIVAL. ESSENTIAL THAT IF CEREPNALKOVSKI ACCEPTS GRANT, HIS TRAVEL BE ROUTED VIA WASHINGTON SO CIES CAN DISCUSS PROGRAM IN DETAIL WITH HIM.

3. PLEASE ADVISE SOONEST. KISSINGER

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